

APR 12 2004

PTO/SB/08a (05-03)

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	10/737,364
Filing Date	December 15, 2003
First Named Inventor	Youngwoo Kwon
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	PA2589US

Sheet 1 of 2

1 of 2

Attorney Docket Number PA2589US

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (# known)				
		.				

**Examiner
Signature**

NAUYEN, KU

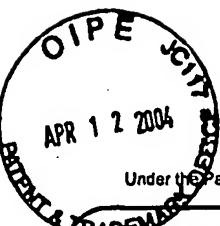
Date
Considered

5/10/05

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/737,364
(Use as many sheets as necessary)				Filing Date	December 15, 2003
Sheet	2	of	2	First Named Inventor	Youngwoo Kwon
				Art Unit	Unknown
				Examiner Name	Unknown
				Attorney Docket Number	PA2589US

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
✓		RAAB, F.H., "Efficiency of Doherty RF Power-Amplifier Systems," IEEE Transactions On Broadcasting, September 1987, pp. 77-83, Vol. BC-33.			
✓		IWAMOTO, M., et al., "An Extended Doherty Amplifier with High Efficiency Over a Wide Power Range," IEEE Transactions On Microwave Theory and Techniques, December 2001, pp. 2472-2479, Vol. 49, No. 12.			
✓		ZHAO, Y., et al., "Doherty Amplifier with DSP Control to Improve Performance in CDMA Operation," 2003 IEEE MTT-S Digest, 2003, pp. 687-690, IEEE.			
✓		LEES, J., et al. "Single-Tone Optimisation of an Adaptive-Bias Doherty Structure," 2003 IEEE MTT-S Digest, 2003, pp. 2213-2216, IEEE.			
✓		BAE, S., et al., "Bias-Switching Quasi-Doherty-Type Amplifier for CDMA Handset Applications," 2003 IEEE MTT-S Digest, 2003, pp. 137-140, IEEE.			
✓		WALLACE, L., "Amplifier Linearization Promotes Efficiency in Multi-Carrier WCDMA Basestation," EE Times, October 18, 2002, at http://www.eetimes.com/story/OEG20021018S0059 .			

Examiner Signature	NGUYEN, KV	Date Considered	5/10/03
--------------------	------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Youngwoo Kwon et al.

SERIAL NO.: 10/737,364

FILED: December 15, 2003

TITLE: High Linearity Doherty Communication Amplifier with Phase Control

EXAMINER: Unknown

GROUP ART UNIT: Unknown

ATTY.DKT.NO.: PA2589US

COMMISSIONER FOR PATENTS

P.O. BOX 1450

ALEXANDRIA, VA 22313-1450

List of Co-Pending Patent Applications That May Be Directed
Towards Similar Subject Matter

Examiner's Initials	Serial Number	First-Named Inventor	Title	Filing Date
N	10/737,476	Youngwoo Kwon	High Linearity Doherty Communication Amplifier with Integrated Output Matching Unit	12/15/2003
N	10/690,923	Youngwoo Kwon	High Linearity Doherty Communication Amplifier with Bias Control	10/21/2003
N	10/432,553	Youngwoo Kwon	Power Amplification Apparatus of Portable Terminal	05/21/2003
Examiner's Signature:	NAVEN, K✓			Date 05/10/05